Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE090116\
Data File : BE092333.D
Acq On : 1 Sep 2016 17:47
Operator : UM/SJ
Sample : SSTDICV0.4
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : ICVBE090116

Manual Integrations APPROVED
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Quant Time: Sep 02 10:55:34 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 02 03:36:16 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.19	152	7468	5.00	ng		0.00
7) Naphthalene-d8	10.95	136	36492	5.00	ng		0.00
12) Acenaphthene-d10	14.82	164	21920	5.00	ng		-0.02
18) Phenanthrene-d10	17.58	188	54870	5.00	ng		0.00
24) Chrysene-d12	21.75	240	80660	5.00	ng		0.00
31) Perylene-d12	24.12	264	76251	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.69	112	770	0.39	ng		0.00
5) Phenol-d6	7.36	99	925	0.34	ng		0.00
8) Nitrobenzene-d5	9.36	82	875	0.33	ng		0.00
13) 2,4,6-Tribromophenol	16.32	330	300	0.35	ng		0.00
14) 2-Fluorobiphenyl	13.44	172	2746	0.41	ng		0.00
26) Terphenyl-d14	20.19	244	4309	0.39	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.42	88	478	0.45	ng		99
3) n-Nitrosodimethylamine	3.79	42	427	0.38	ng	#	99
6) bis(2-Chloroethyl)ether	7.61	93	767	0.44	ng	#	5
9) Naphthalene	11.01	128	3421	0.42	ng		100
10) Hexachlorobutadiene	11.30	225	563	0.44	ng		100
11) 2-Methylnaphthalene	12.65	142	2190	0.41	ng		92
15) Acenaphthylene	14.54	152	16054	0.42	ng		100
16) Acenaphthene	14.88	154	2631	0.43	ng		99
17) Fluorene	15.87	166	3325	0.43	ng		100
19) Hexachlorobenzene	16.89	284	1034	0.43	ng	#	66
20) Pentachlorophenol	17.26	266	234	0.37	ng		97
21) Phenanthrene	17.60	178	5629	0.42	ng	#	100
22) Anthracene	17.72	178	5246	0.40	ng		100
23) Fluoranthene	19.61	202	27629	0.41	ng		100
25) Pyrene	19.97	202	29446	0.40	ng		100
27) Benzo(a)anthracene	21.72	228	37389m	0.42	ng		
28) Chrysene	21.77	228	33824m	0.45	ng		
29) Bis(2-ethylhexyl)phthalate	21.63	149	3104	0.36	ng	#	100
30) Indeno(1,2,3-cd)pyrene	26.62	276	37080	0.42	ng		100
32) Benzo(b)fluoranthene	23.38	252	8095	0.39	ng		100
33) Benzo(k)fluoranthene	23.43	252	8919	0.44	ng		96
34) Benzo(a)pyrene	24.01	252	8109	0.41	ng		99
35) Dibenzo(a,h)anthracene	26.63	278	7531	0.41	ng		96
36) Benzo(g,h,i)perylene	27.38	276	31784	0.42	ng		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE090116\
Data File : BE092333.D
Acq On : 1 Sep 2016 17:47
Operator : UM/SJ
Sample : SSTDICV0.4
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 02 10:55:34 2016
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 02 03:36:16 2016
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
ICVBE090116

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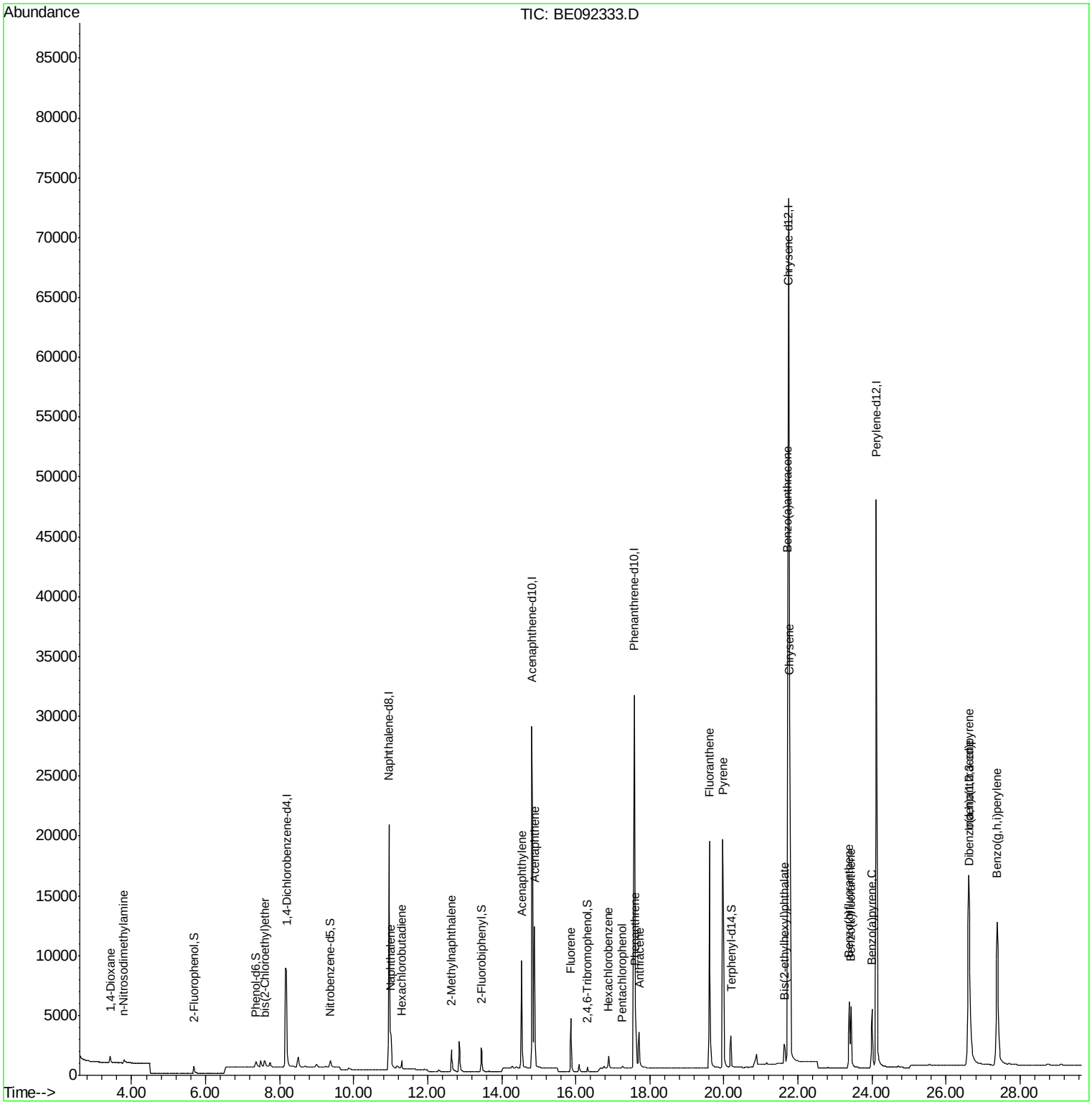
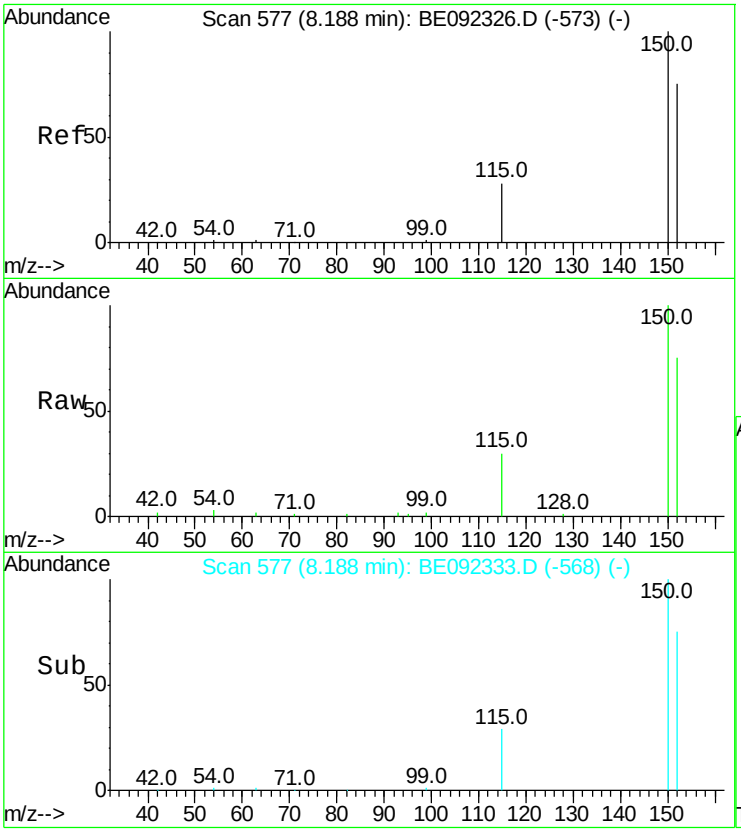
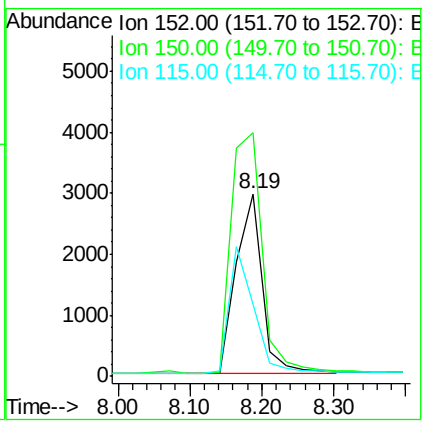




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.19 min Scan# 577
Delta R.T. -0.00 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion:152 Resp: 7468

Ion	Ratio	Lower	Upper
152	100		
150	133.3	106.0	159.0
115	39.7	31.2	46.8



Instrument :
BNA_E
ClientSampleId :
ICVBE090116

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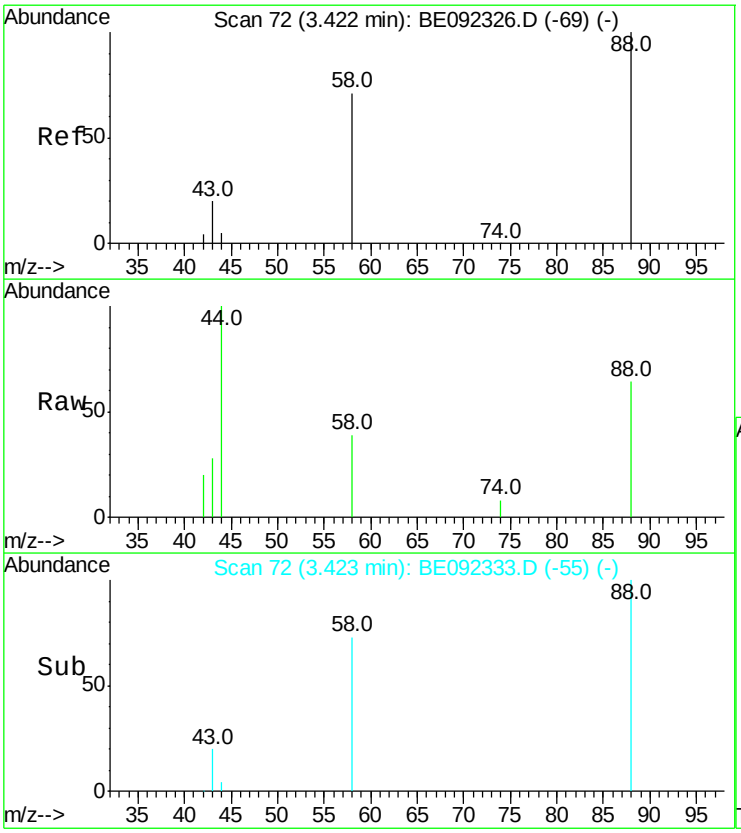
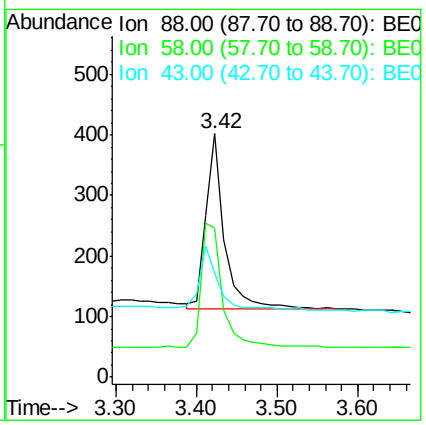
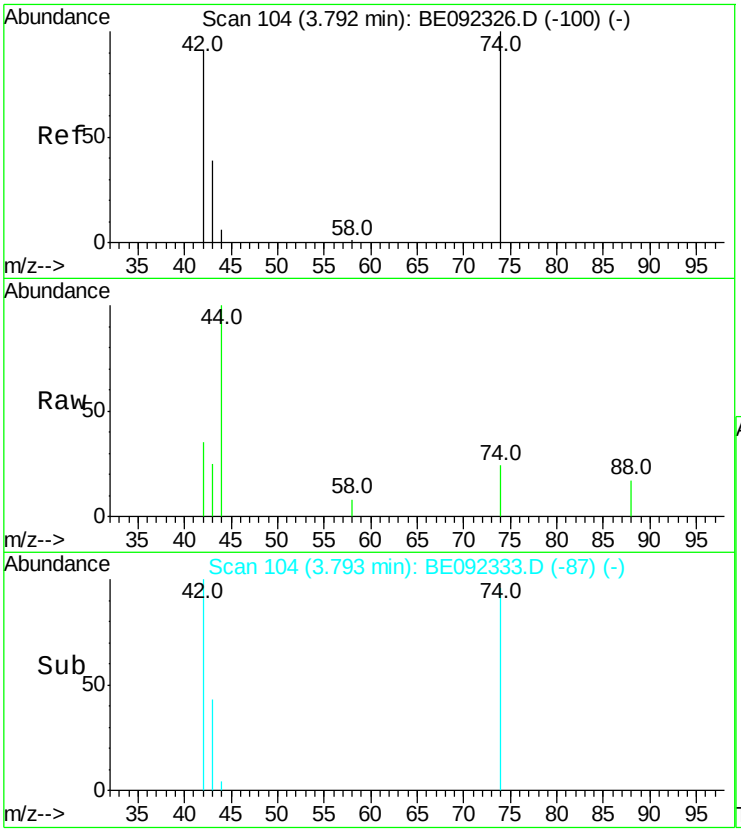


#2
1,4-Dioxane
Concen: 0.45 ng
RT: 3.42 min Scan# 72
Delta R.T. 0.00 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion: 88 Resp: 478

Ion	Ratio	Lower	Upper
88	100		
58	78.5	63.6	95.4
43	36.2	28.0	42.0

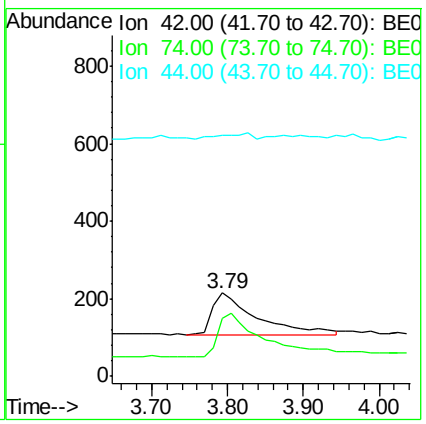




#3
n-Nitrosodimethylamine
Concen: 0.38 ng
RT: 3.79 min Scan# 104
Delta R.T. 0.00 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion: 42 Resp: 427

Ion	Ratio	Lower	Upper
42	100		
74	107.5	86.0	129.0
44	0.0	5.1	7.7#



Instrument :
BNA_E
ClientSampleId :
ICVBE090116

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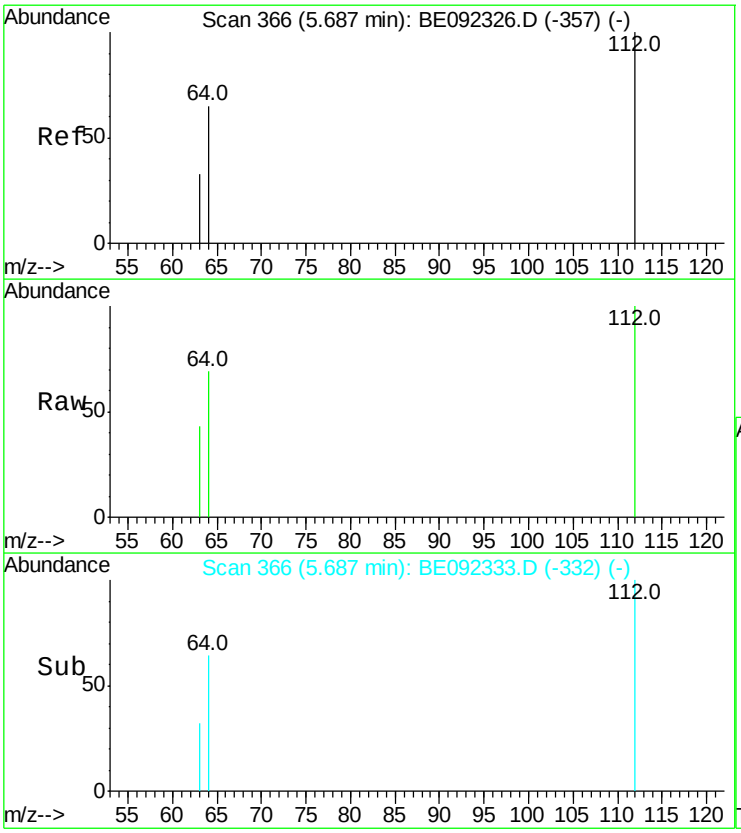
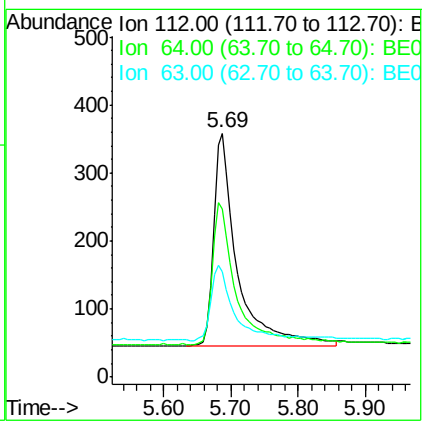
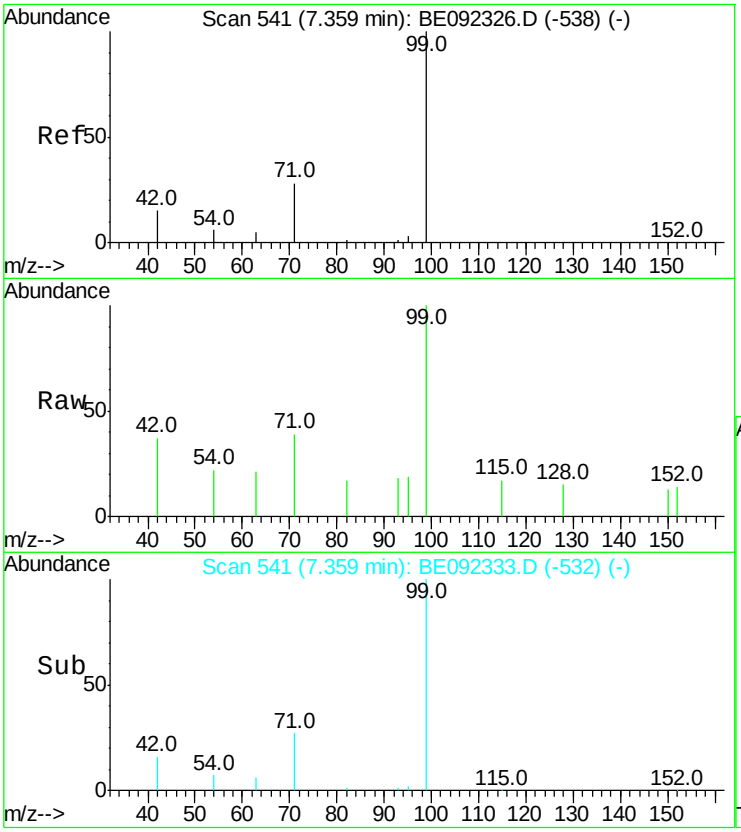


#4
2-Fluorophenol
Concen: 0.39 ng
RT: 5.69 min Scan# 366
Delta R.T. -0.00 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion:112 Resp: 770

Ion	Ratio	Lower	Upper
112	100		
64	67.8	53.5	80.3
63	35.8	27.9	41.9

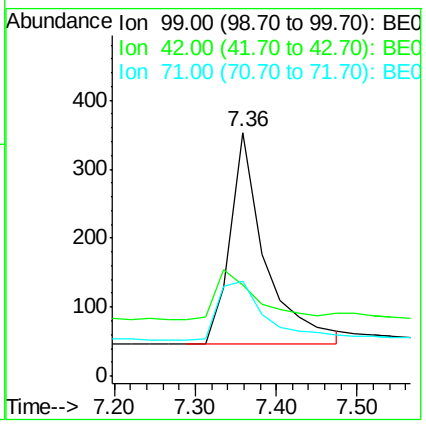




#5
Phenol-d6
Concen: 0.34 ng
RT: 7.36 min Scan# 541
Delta R.T. -0.00 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion: 99 Resp: 925

Ion	Ratio	Lower	Upper
99	100		
42	0.0	0.0	0.0
71	37.8	30.6	45.8



Instrument :
BNA_E
ClientSampleId :
ICVBE090116

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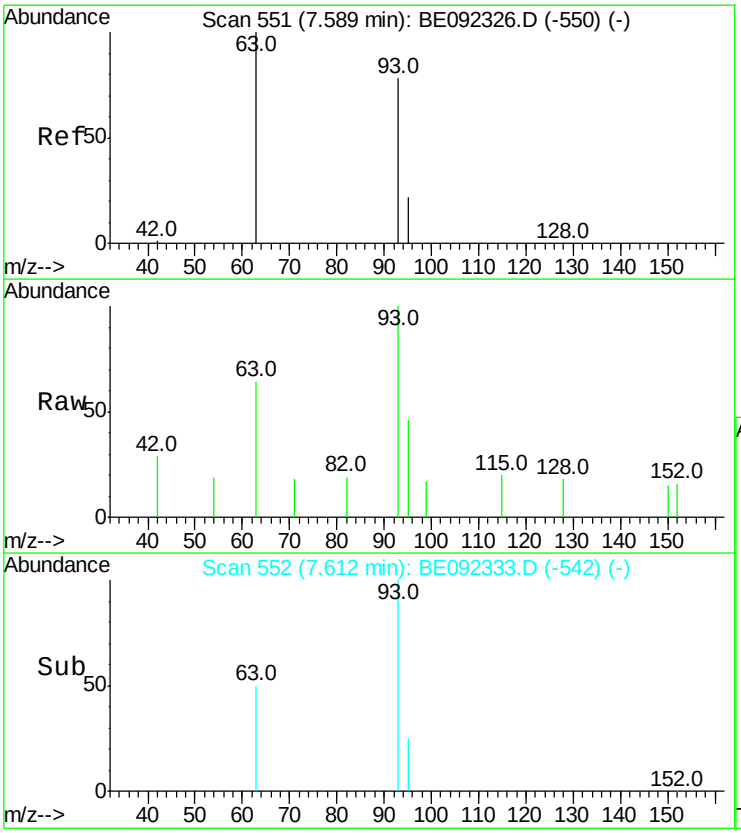
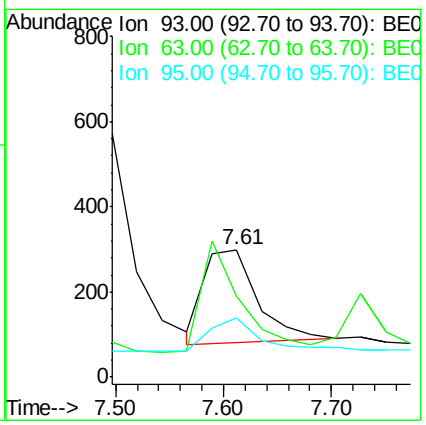
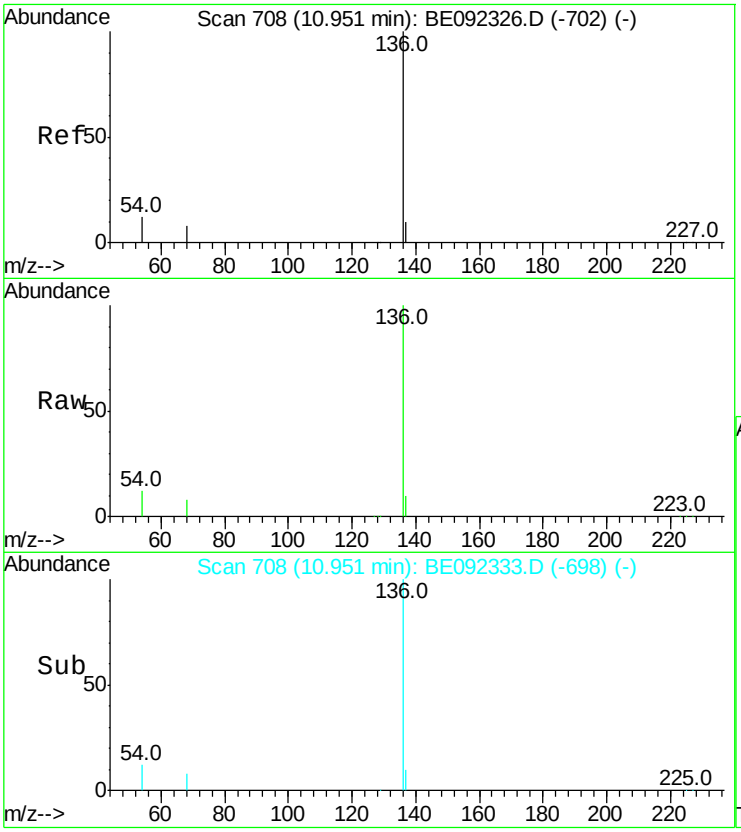


#6
bis(2-Chloroethyl)ether
Concen: 0.44 ng
RT: 7.61 min Scan# 552
Delta R.T. 0.02 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion: 93 Resp: 767

Ion	Ratio	Lower	Upper
93	100		
63	0.0	71.6	107.4#
95	34.4	0.0	0.0#

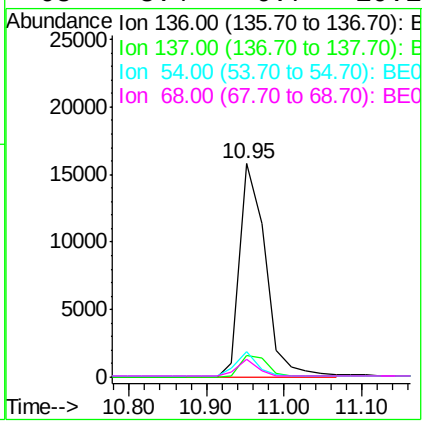




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.95 min Scan# 708
Delta R.T. -0.00 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion:136 Resp: 36492

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.2	12.4
54	12.0	9.6	14.4
68	8.4	6.7	10.1



Instrument :
BNA_E
ClientSampleId :
ICVBE090116

Manual Integrations APPROVED
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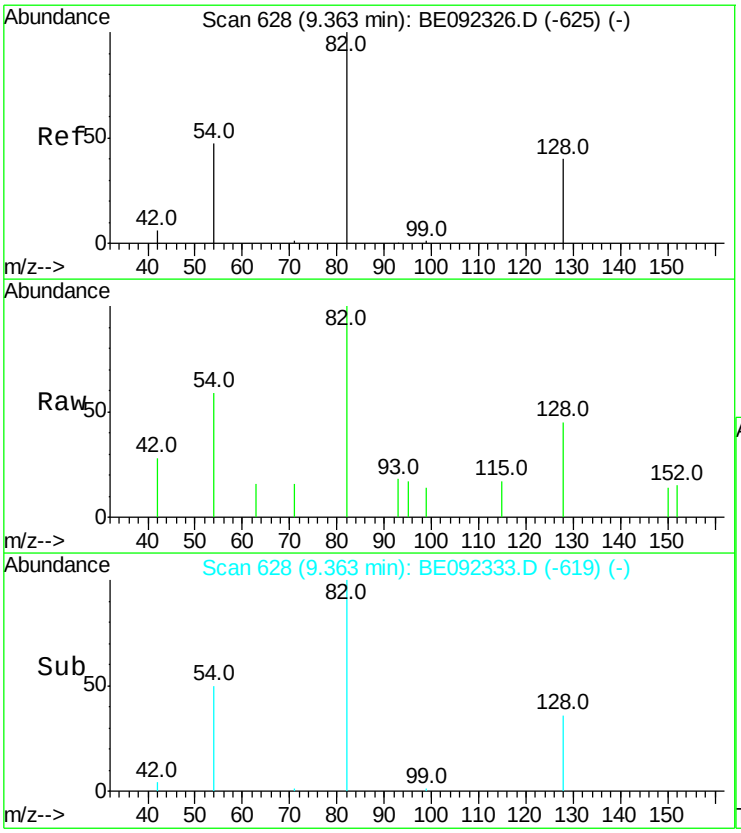
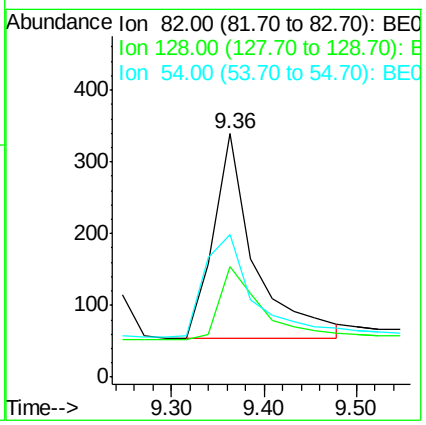
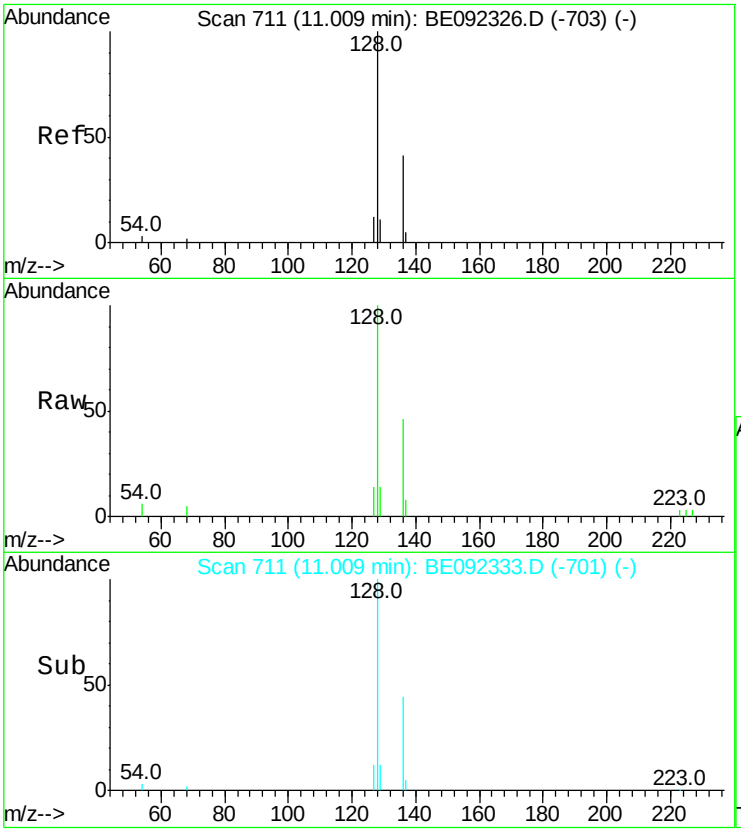


#8
Nitrobenzene-d5
Concen: 0.33 ng
RT: 9.36 min Scan# 628
Delta R.T. -0.00 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion: 82 Resp: 875

Ion	Ratio	Lower	Upper
82	100		
128	45.4	39.0	58.4
54	58.7	44.8	67.2

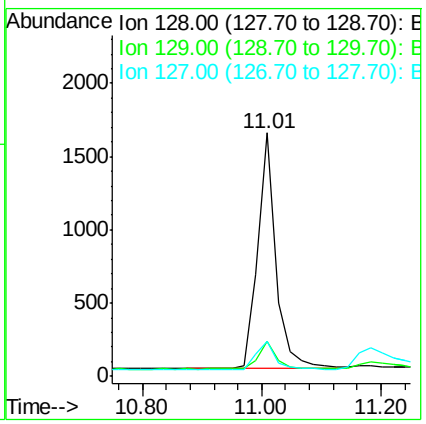




#9
Naphthalene
Concen: 0.42 ng
RT: 11.01 min Scan# 711
Delta R.T. -0.00 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion:128 Resp: 3421

Ion	Ratio	Lower	Upper
128	100		
129	14.2	11.2	16.8
127	14.4	11.6	17.4



Instrument :
BNA_E
ClientSampleId :
ICVBE090116

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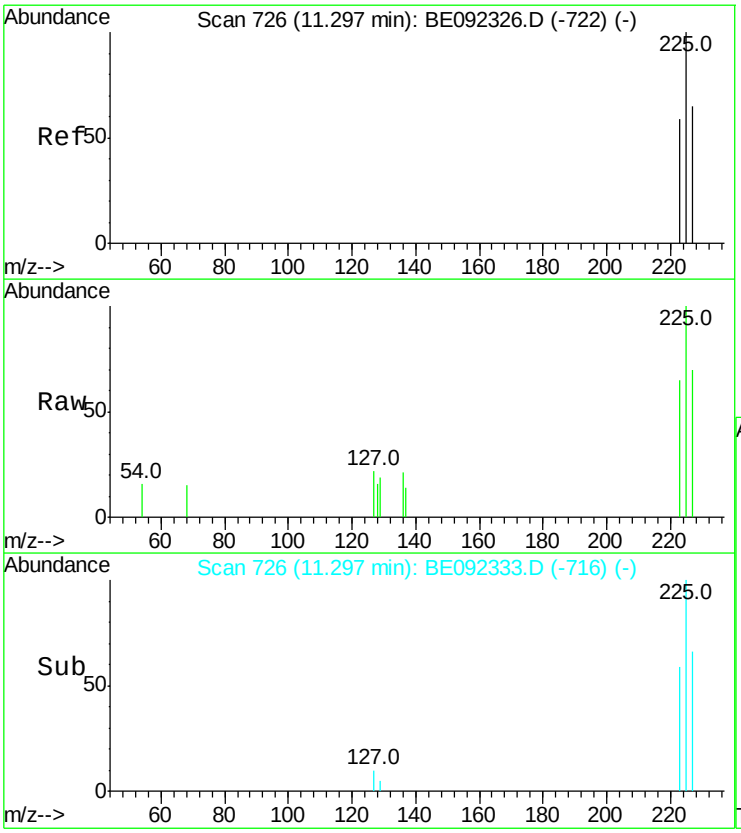
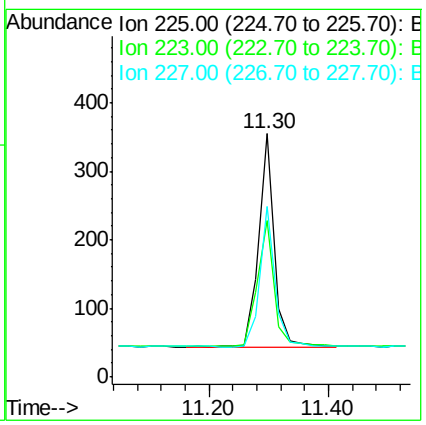
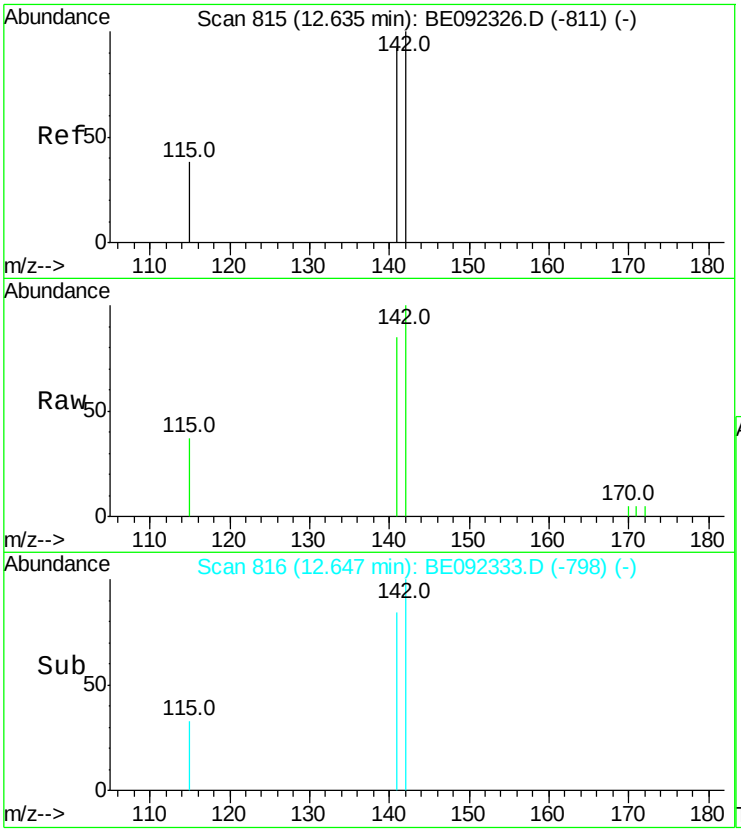


#10
Hexachlorobutadiene
Concen: 0.44 ng
RT: 11.30 min Scan# 726
Delta R.T. -0.00 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion:225 Resp: 563

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.6	76.0
227	63.9	51.4	77.0

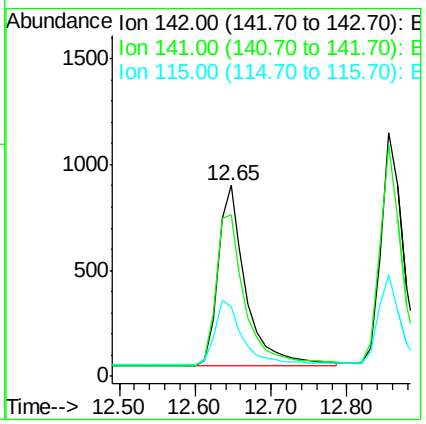




#11
2-Methylnaphthalene
Concen: 0.41 ng
RT: 12.65 min Scan# 816
Delta R.T. 0.01 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion:142 Resp: 2190

Ion	Ratio	Lower	Upper
142	100		
141	84.8	73.7	110.5
115	36.8	34.0	51.0



Instrument :
BNA_E
ClientSampleId :
ICVBE090116

Manual Integrations APPROVED
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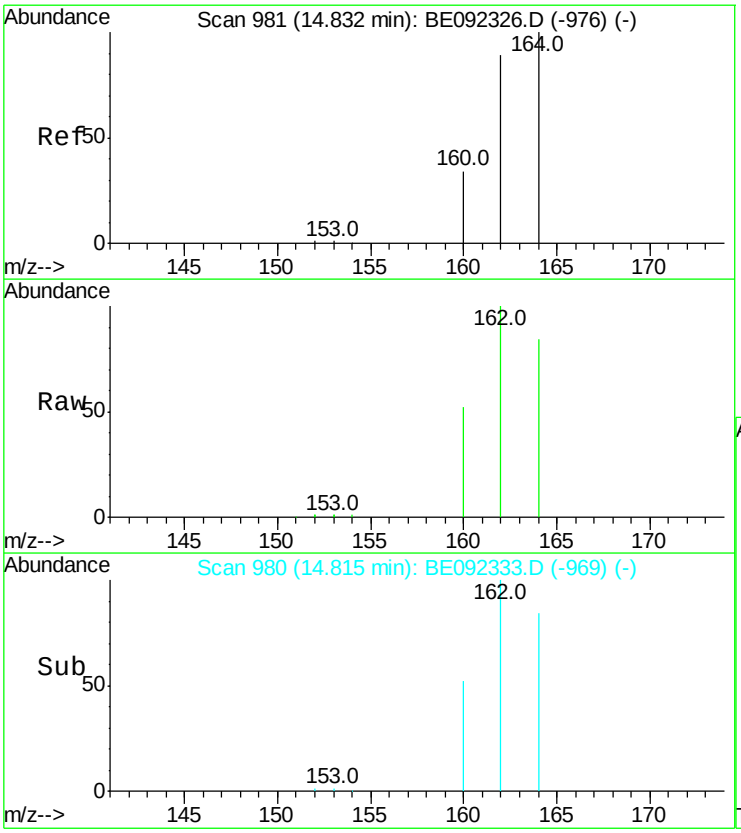
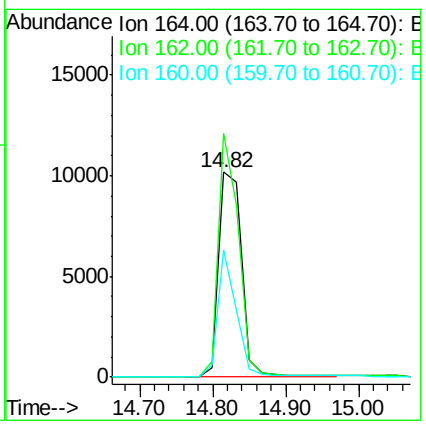
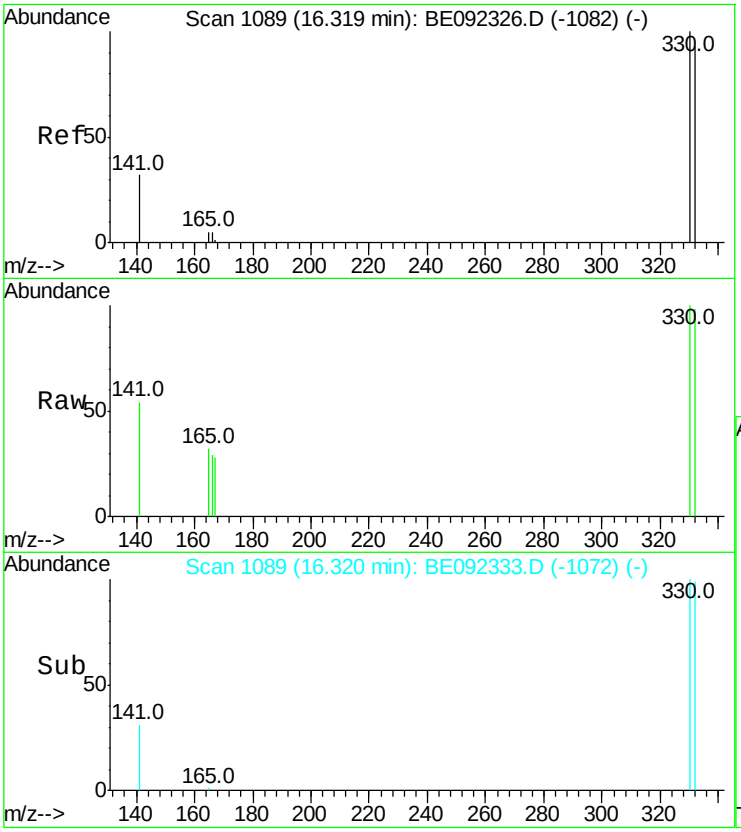


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.82 min Scan# 980
Delta R.T. -0.02 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion:164 Resp: 21920

Ion	Ratio	Lower	Upper
164	100		
162	118.7	71.4	107.0#
160	61.8	27.4	41.2#

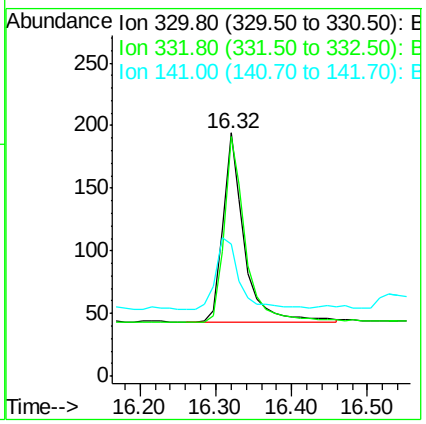




#13
2,4,6-Tribromophenol
Concen: 0.35 ng
RT: 16.32 min Scan# 1089
Delta R.T. 0.00 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion:330 Resp: 300

Ion	Ratio	Lower	Upper
330	100		
332	97.3	75.4	113.0
141	42.7	31.0	46.6



Instrument :
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ClientSampleId :
ICVBE090116

Manual Integrations APPROVED
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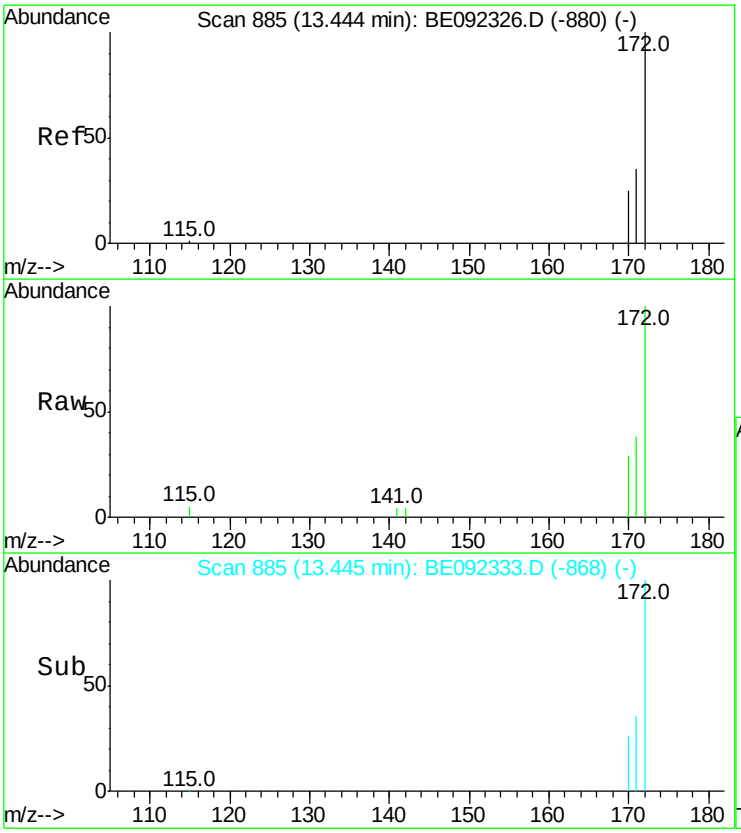
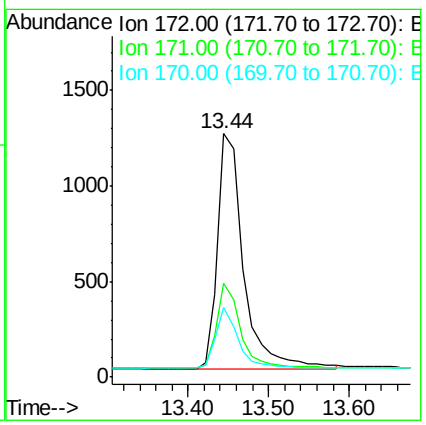
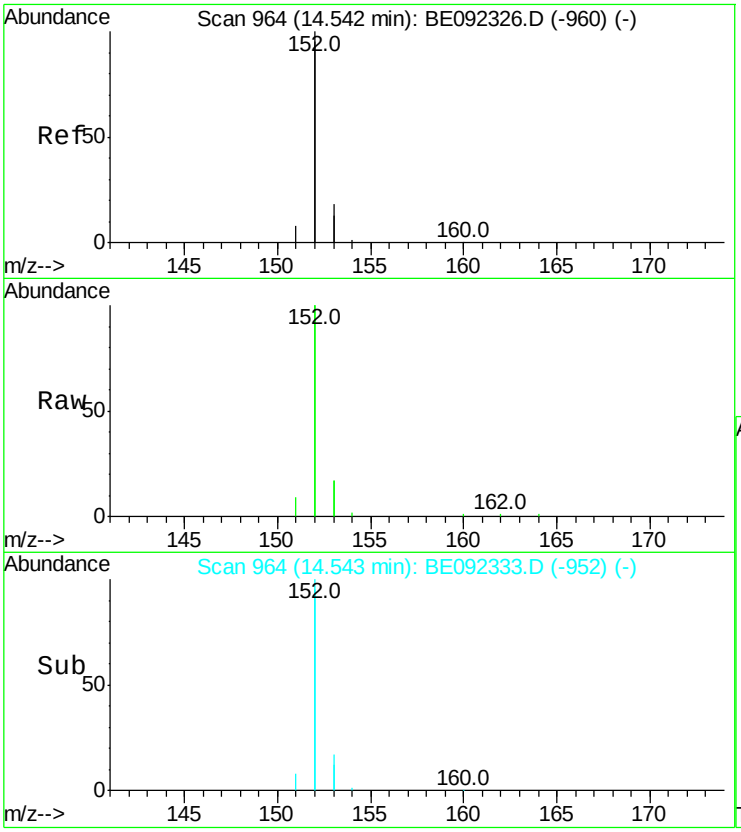


#14
2-Fluorobiphenyl
Concen: 0.41 ng
RT: 13.44 min Scan# 885
Delta R.T. 0.00 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion:172 Resp: 2746

Ion	Ratio	Lower	Upper
172	100		
171	38.4	30.1	45.1
170	28.6	21.8	32.6

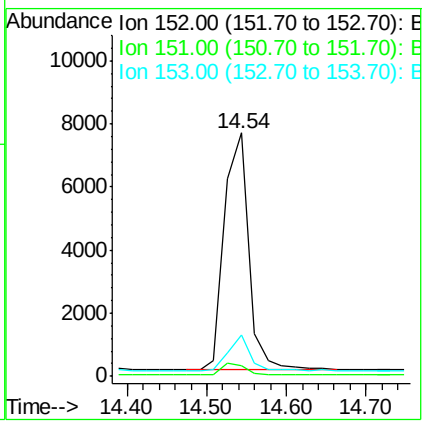




#15
Acenaphthylene
Concen: 0.42 ng
RT: 14.54 min Scan# 964
Delta R.T. 0.00 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion:152 Resp: 16054

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	12.8	10.4	15.6



Instrument :
BNA_E
ClientSampleId :
ICVBE090116

Manual Integrations APPROVED
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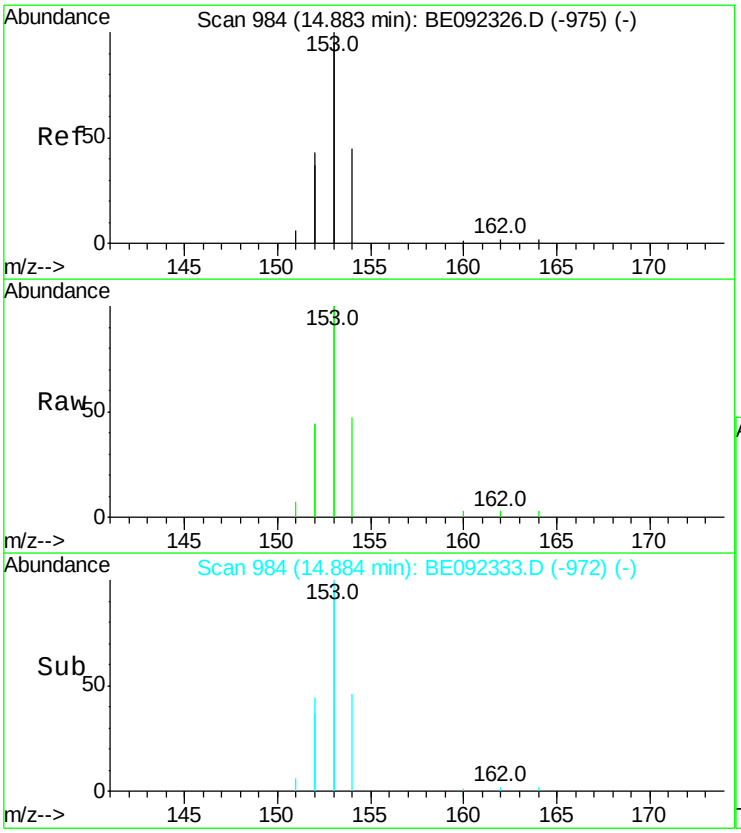
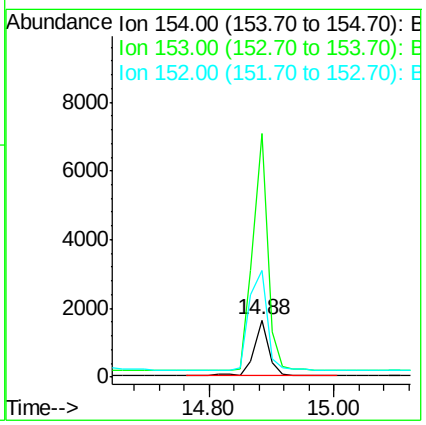
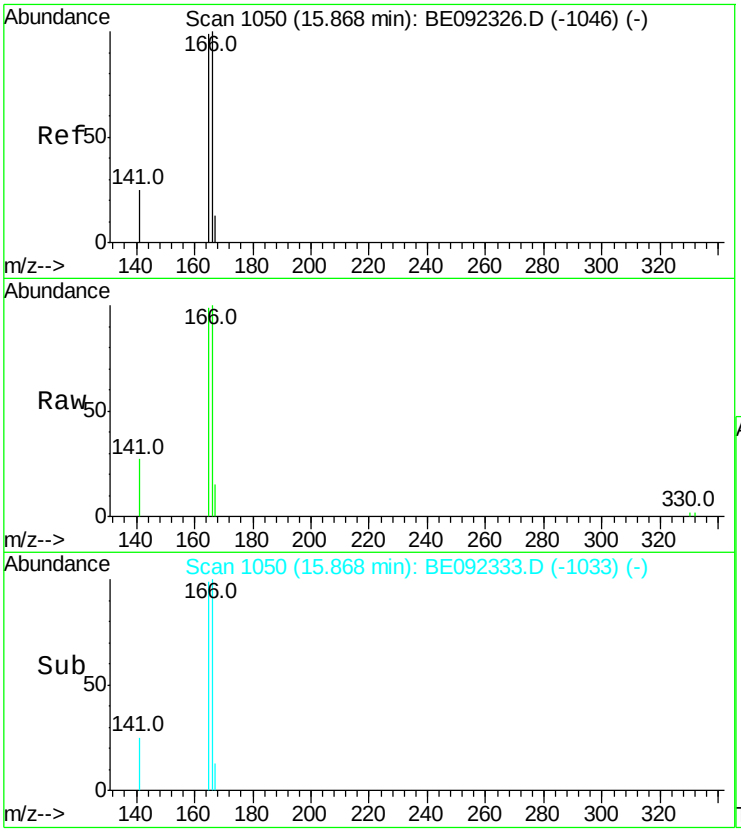


#16
Acenaphthene
Concen: 0.43 ng
RT: 14.88 min Scan# 984
Delta R.T. 0.00 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion:154 Resp: 2631

Ion	Ratio	Lower	Upper
154	100		
153	439.6	350.8	526.2
152	216.7	171.1	256.7

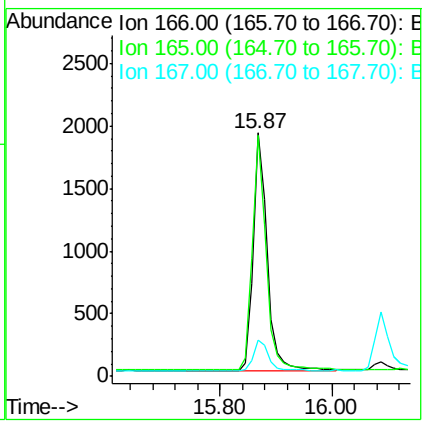




#17
Fluorene
Concen: 0.43 ng
RT: 15.87 min Scan# 1050
Delta R.T. 0.00 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion:166 Resp: 3325

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.2	117.4
167	13.4	11.0	16.4



Instrument :
BNA_E
ClientSampleId :
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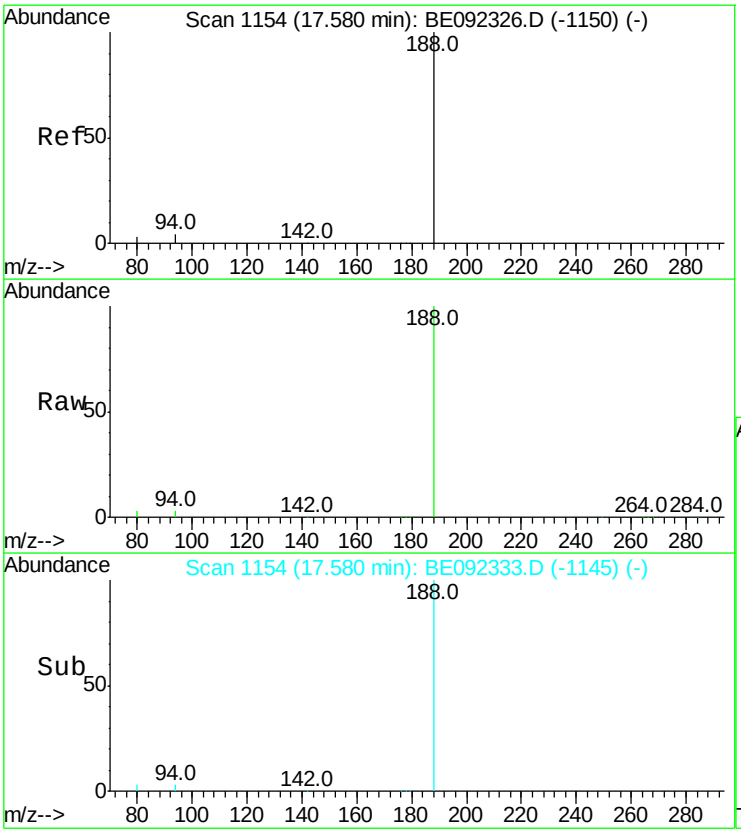
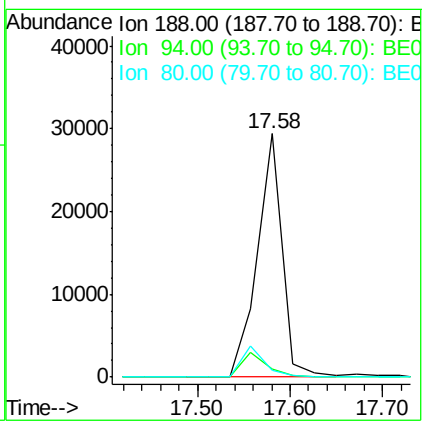
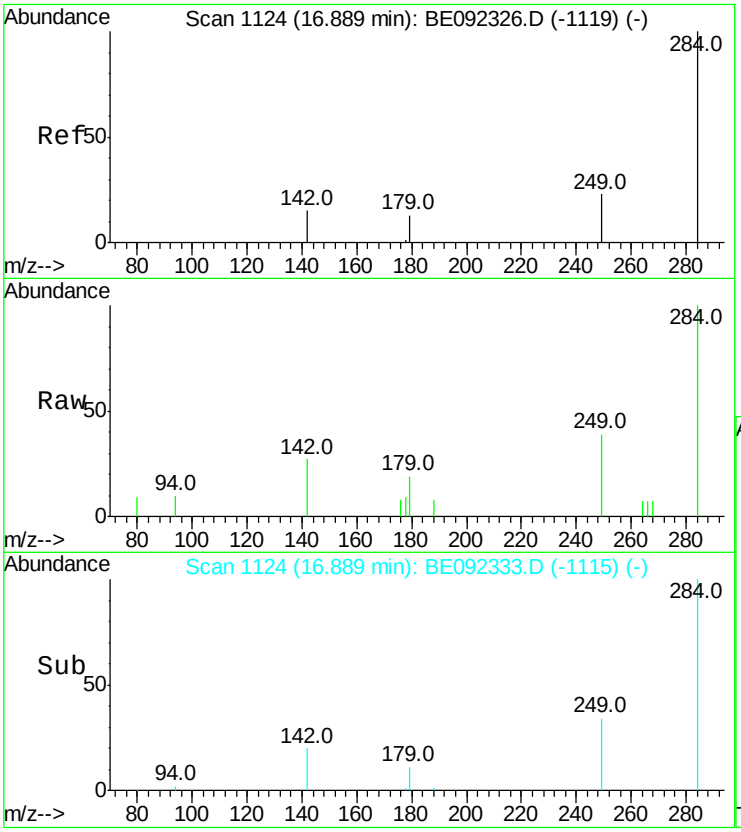


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.58 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion:188 Resp: 54870

Ion	Ratio	Lower	Upper
188	100		
94	3.4	3.2	4.8
80	2.8	2.6	3.8

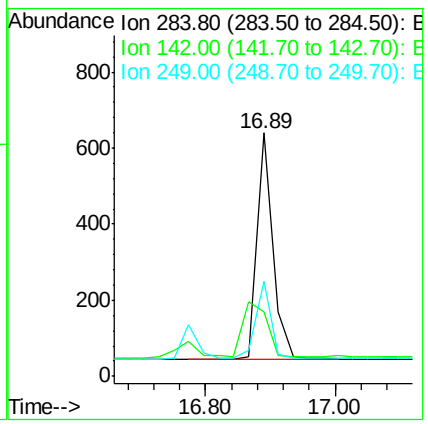




#19
Hexachlorobenzene
Concen: 0.43 ng
RT: 16.89 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion:284 Resp: 1034

Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	31.5	27.9	41.9



Instrument :
BNA_E
ClientSampleId :
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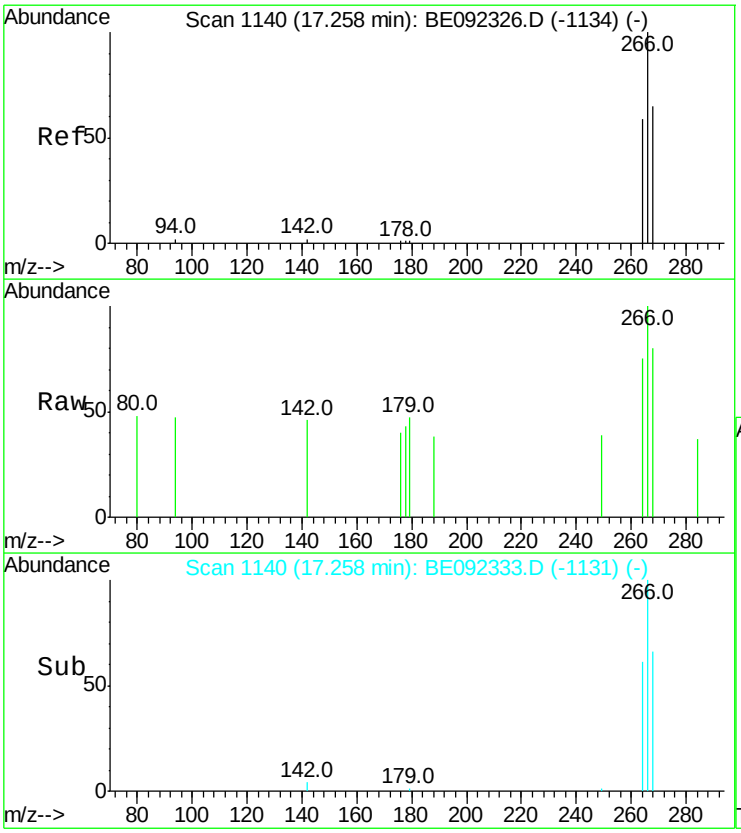
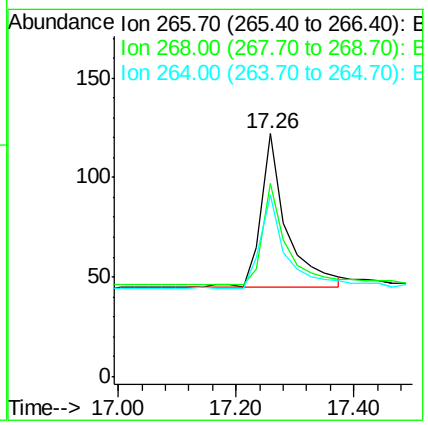
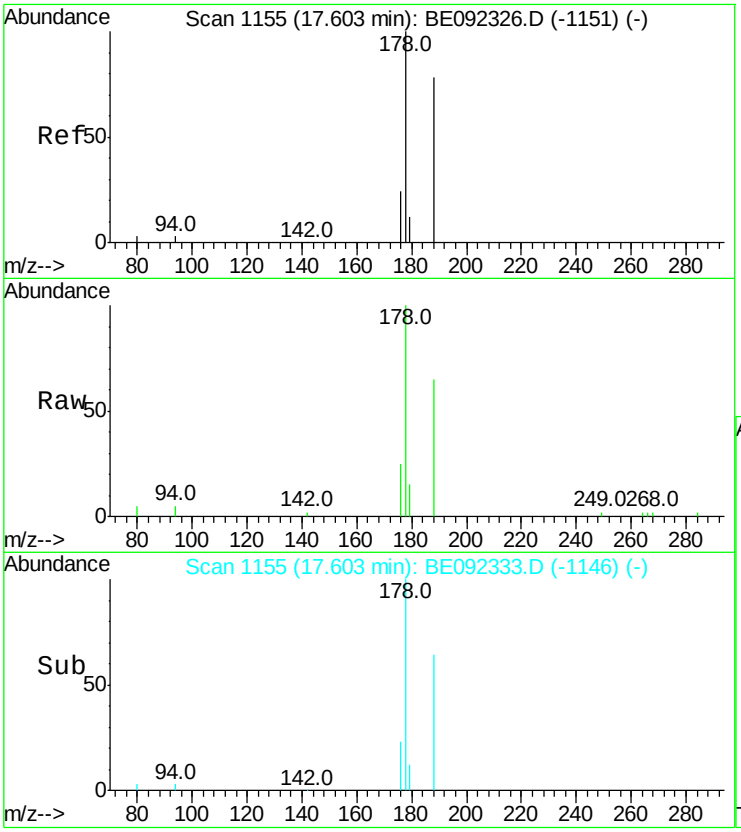


#20
Pentachlorophenol
Concen: 0.37 ng
RT: 17.26 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion:266 Resp: 234

Ion	Ratio	Lower	Upper
266	100		
268	79.5	62.5	93.7
264	74.6	57.2	85.8

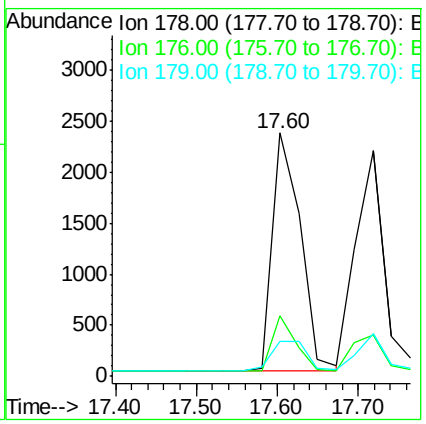




#21
Phenanthrene
Concen: 0.42 ng
RT: 17.60 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion:178 Resp: 5629

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	15.6	0.0	0.0#



Instrument :
BNA_E
ClientSampleId :
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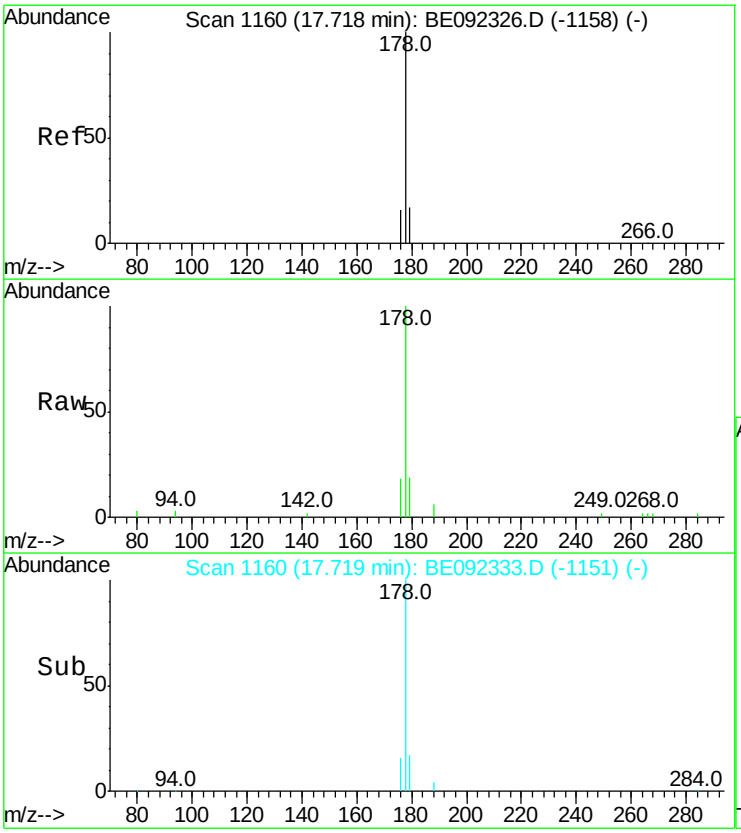
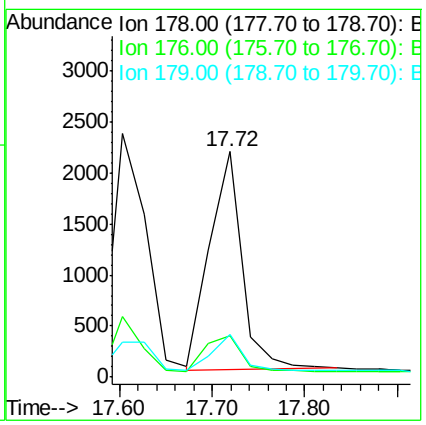
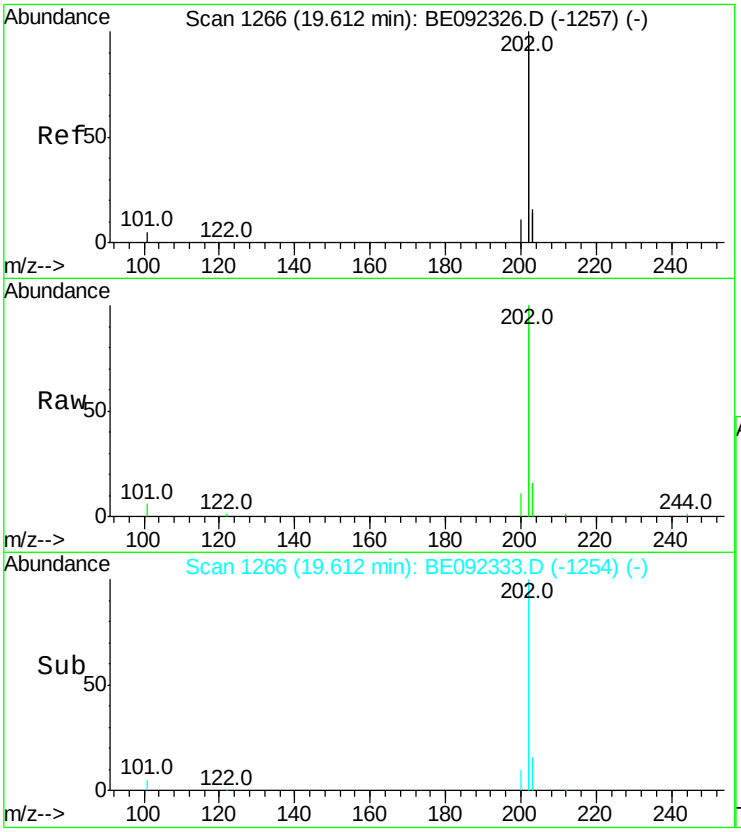


#22
Anthracene
Concen: 0.40 ng
RT: 17.72 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion:178 Resp: 5246

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.1	12.2	18.2

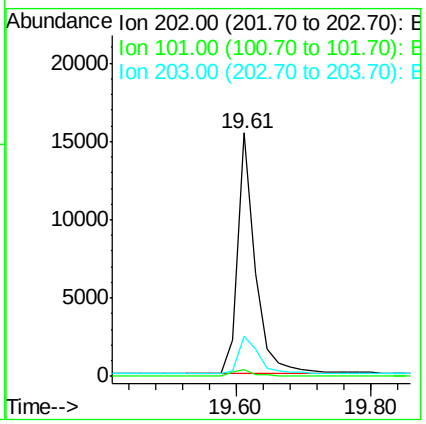




#23
Fluoranthene
Concen: 0.41 ng
RT: 19.61 min Scan# 1266
Delta R.T. -0.00 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion:202 Resp: 27629

Ion	Ratio	Lower	Upper
202	100		
101	2.8	2.2	3.4
203	17.3	13.7	20.5



Instrument :
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ClientSampleId :
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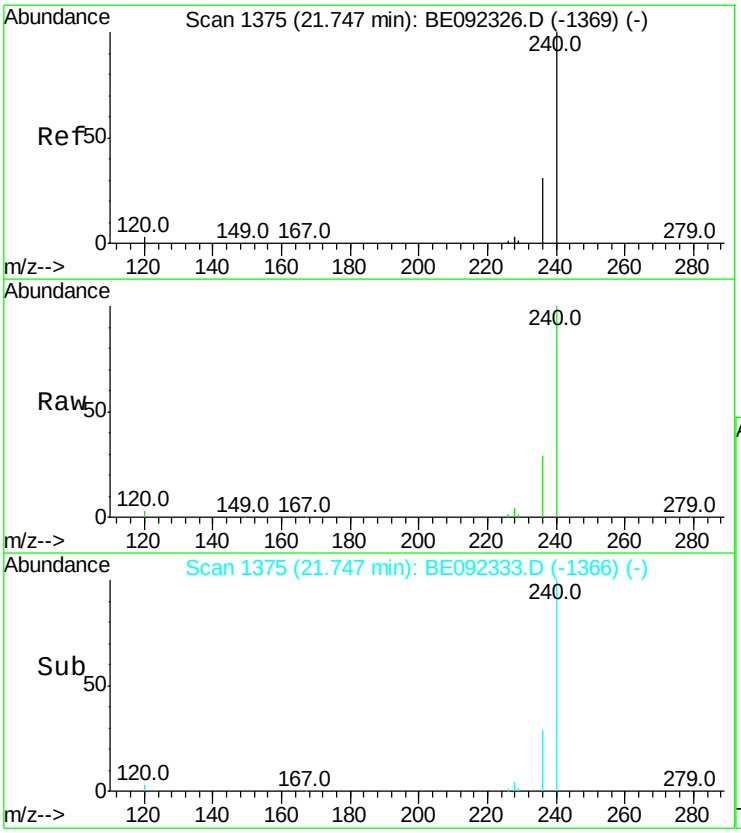
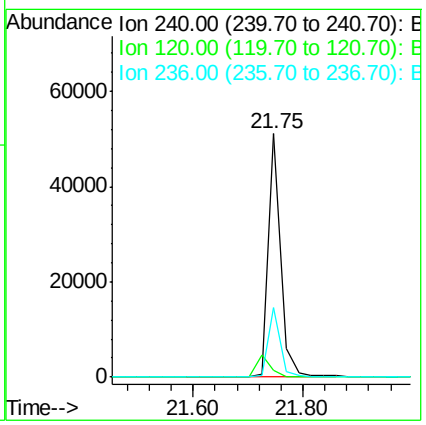
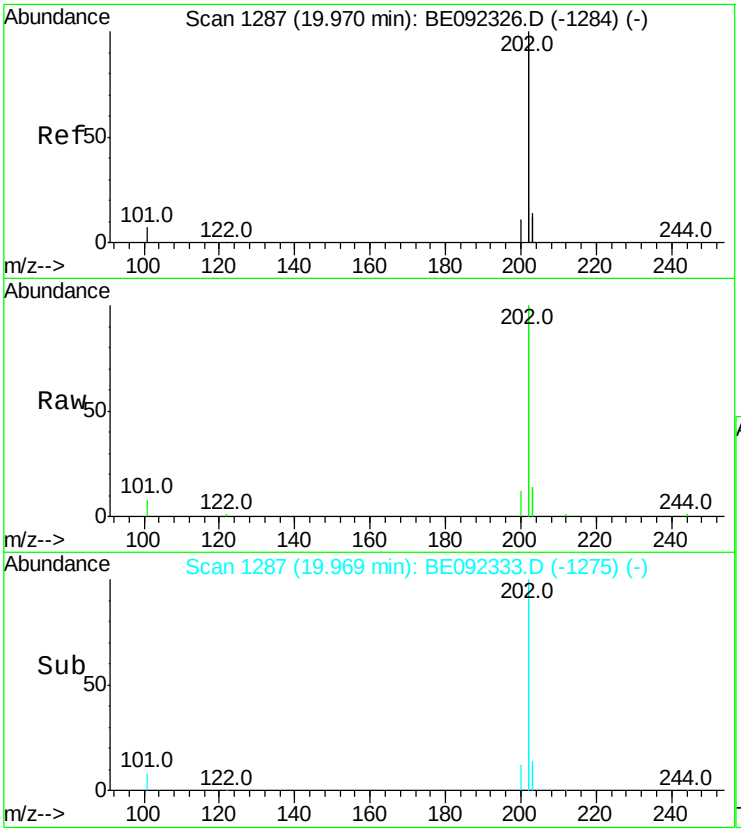


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1375
Delta R.T. -0.00 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion:240 Resp: 80660

Ion	Ratio	Lower	Upper
240	100		
120	2.7	2.6	4.0
236	28.7	24.6	37.0

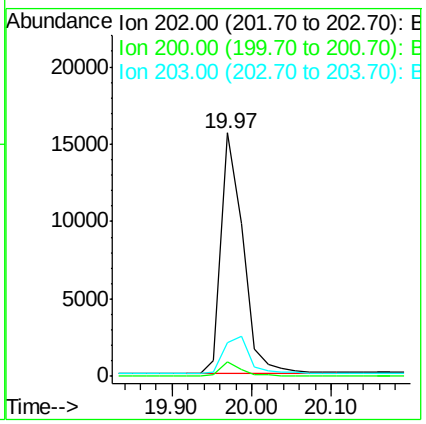




#25
Pyrene
Concen: 0.40 ng
RT: 19.97 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion:202 Resp: 29446

Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	17.6	13.9	20.9



Instrument :
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ClientSampleId :
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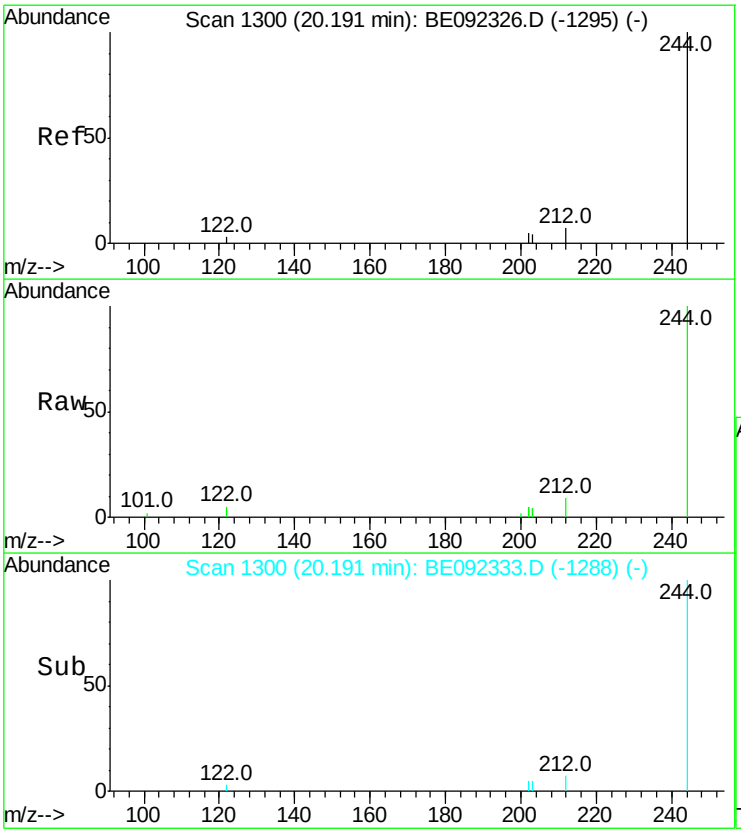
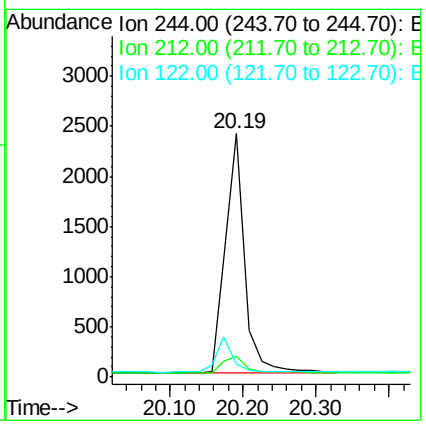
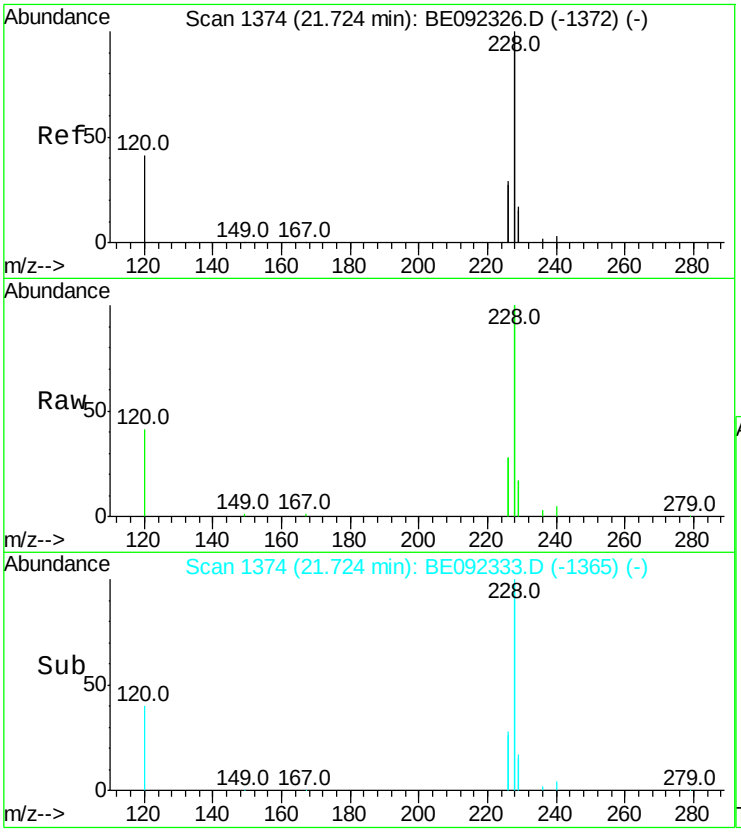


#26
Terphenyl-d14
Concen: 0.39 ng
RT: 20.19 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion:244 Resp: 4309

Ion	Ratio	Lower	Upper
244	100		
212	8.6	6.7	10.1
122	5.2	3.6	5.4

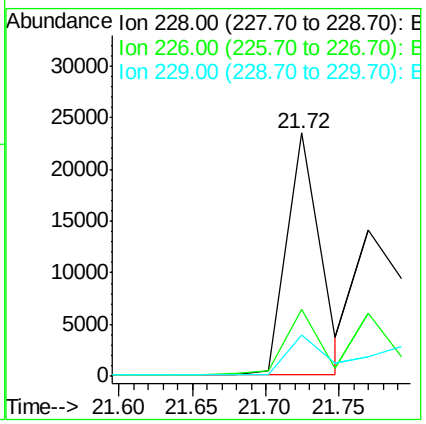




#27
Benzo(a)anthracene
Concen: 0.42 ng m
RT: 21.72 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion:228 Resp: 37389

Ion	Ratio	Lower	Upper
228	100		
226	27.8	23.6	35.4
229	16.9	13.3	19.9



Instrument :
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ClientSampleId :
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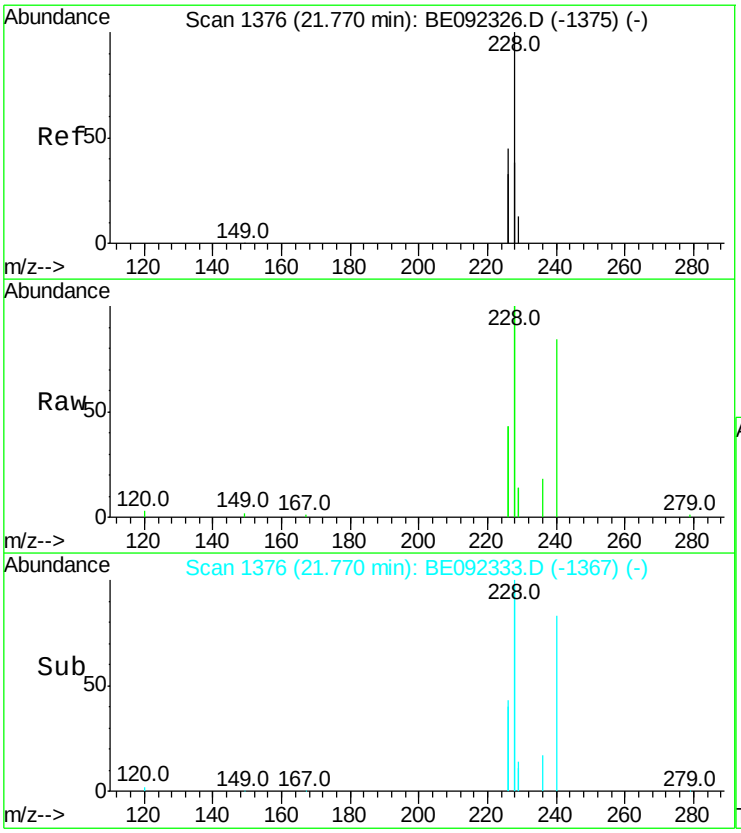
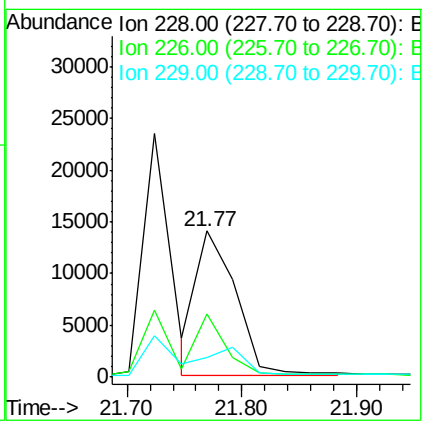
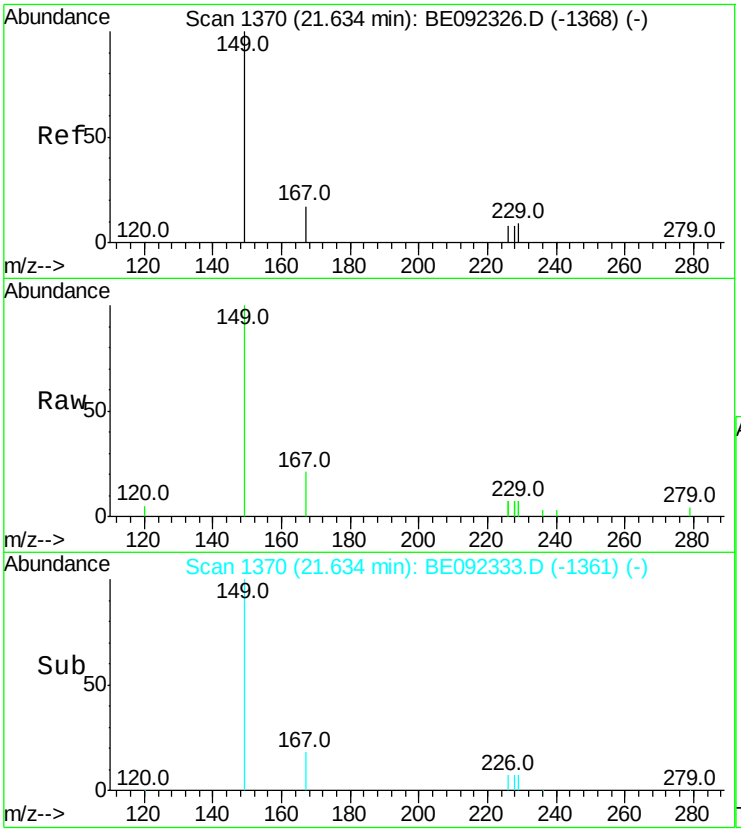


#28
Chrysene
Concen: 0.45 ng m
RT: 21.77 min Scan# 1376
Delta R.T. -0.00 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion:228 Resp: 33824

Ion	Ratio	Lower	Upper
228	100		
226	43.1	36.3	54.5
229	13.5	10.6	16.0





#29
Bis(2-ethylhexyl)phthalate
Concen: 0.36 ng
RT: 21.63 min Scan# 1370
Delta R.T. 0.00 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion:149 Resp: 3104

Ion	Ratio	Lower	Upper
149	100		
167	0.0	0.0	0.0
279	0.0	0.0	0.0

Instrument :
BNA_E
ClientSampleId :
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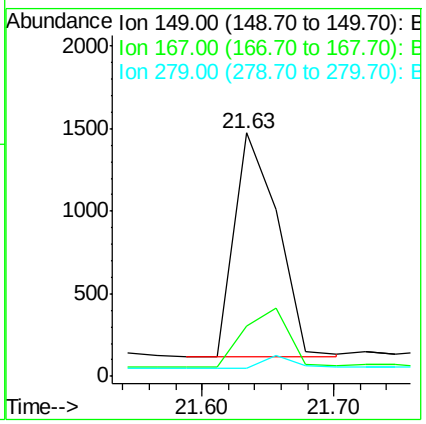
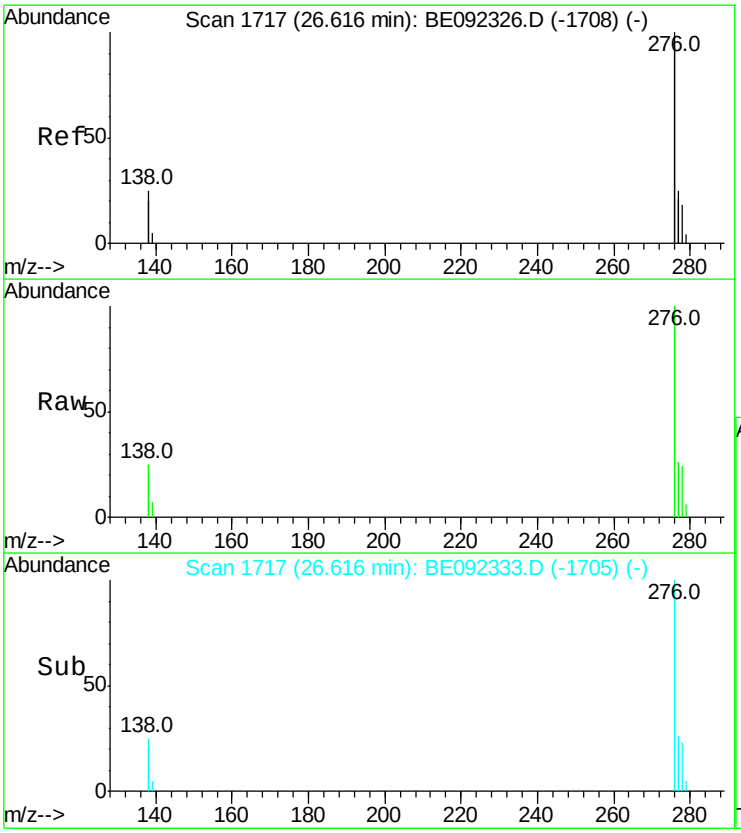
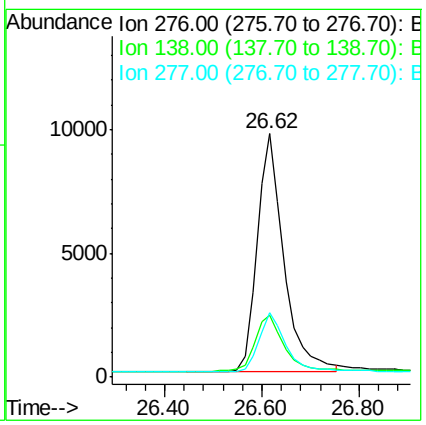


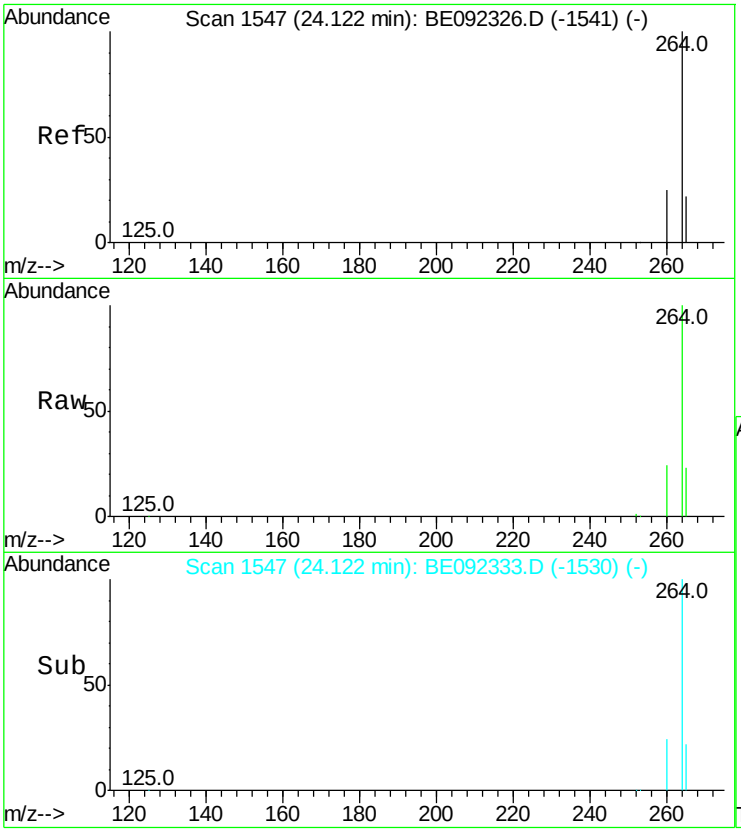


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.42 ng
RT: 26.62 min Scan# 1717
Delta R.T. 0.00 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion:276 Resp: 37080

Ion	Ratio	Lower	Upper
276	100		
138	25.6	20.3	30.5
277	24.8	19.7	29.5

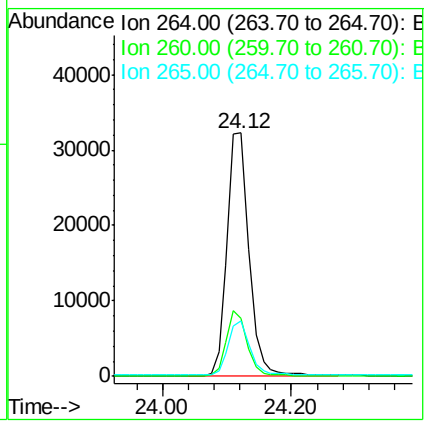




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.12 min Scan# 1547
Delta R.T. 0.00 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion:264 Resp: 76251

Ion	Ratio	Lower	Upper
264	100		
260	24.1	20.1	30.1
265	22.9	17.9	26.9



Instrument :
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ClientSampleId :
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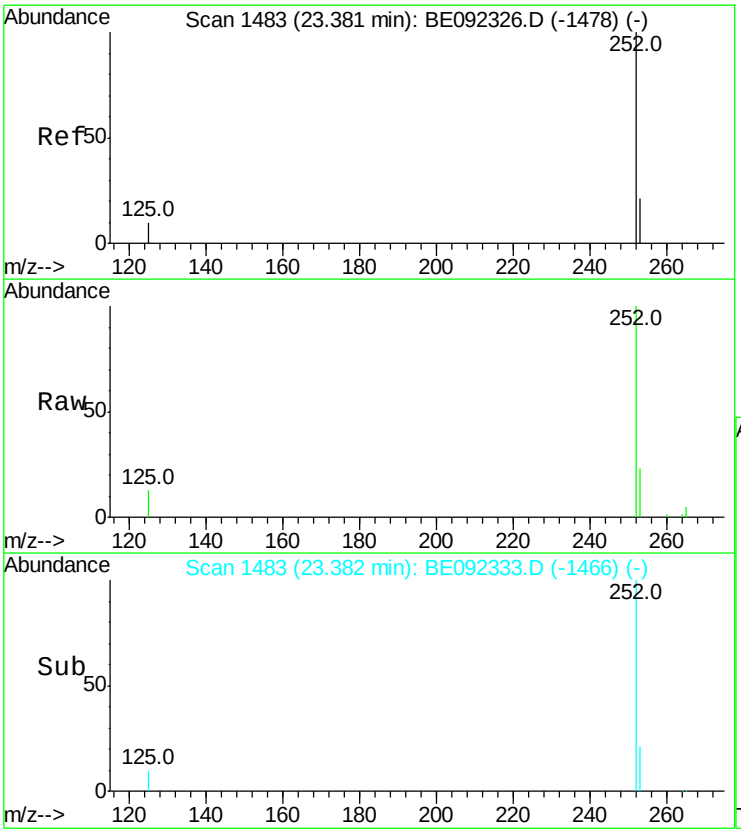
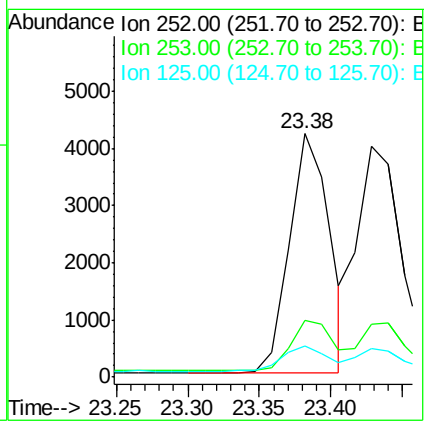
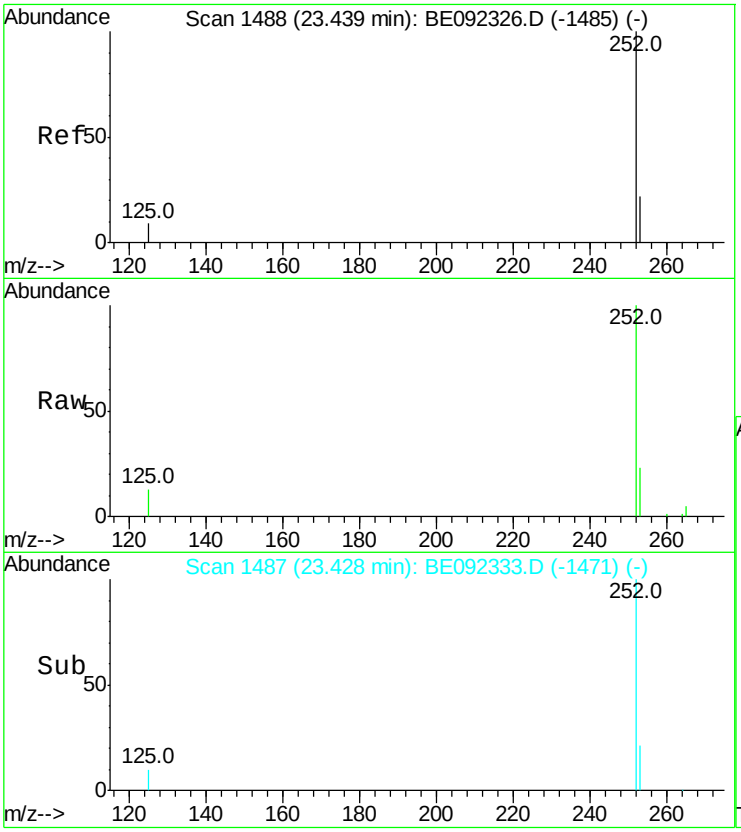


#32
Benzo(b)fluoranthene
Concen: 0.39 ng
RT: 23.38 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion:252 Resp: 8095

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.7	28.1
125	12.7	10.5	15.7

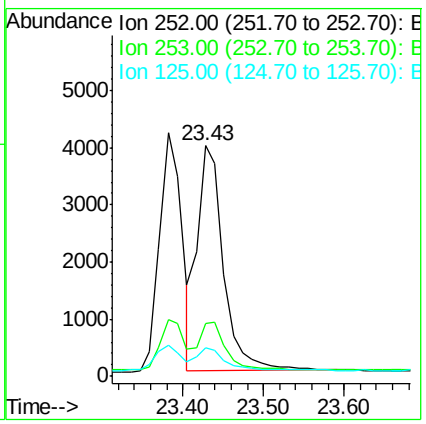




#33
Benzo(k)fluoranthene
Concen: 0.44 ng
RT: 23.43 min Scan# 1487
Delta R.T. -0.01 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion:252 Resp: 8919

Ion	Ratio	Lower	Upper
252	100		
253	23.0	20.3	30.5
125	12.6	9.6	14.4



Instrument :
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ClientSampleId :
ICVBE090116

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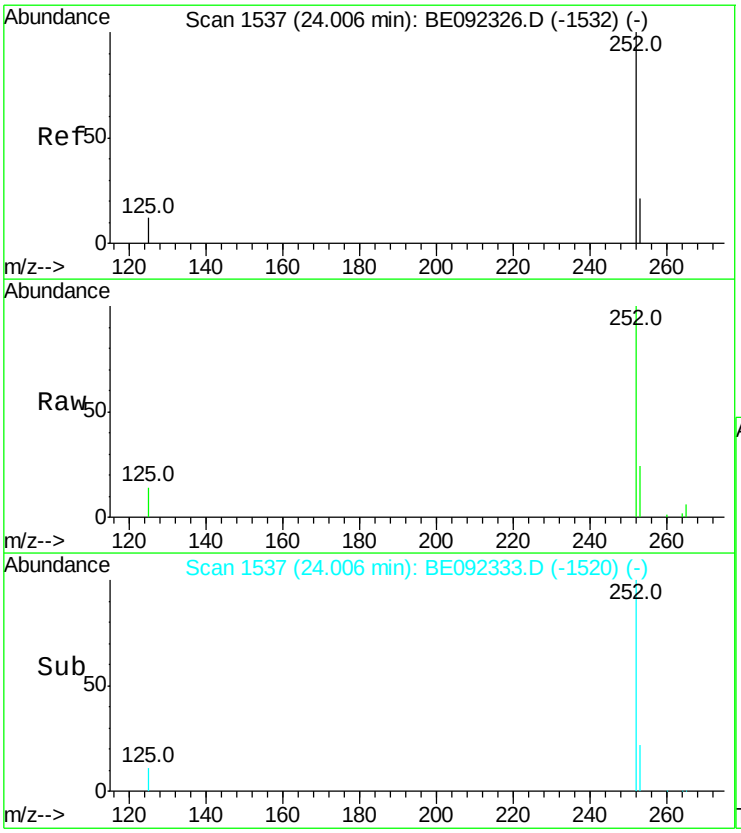
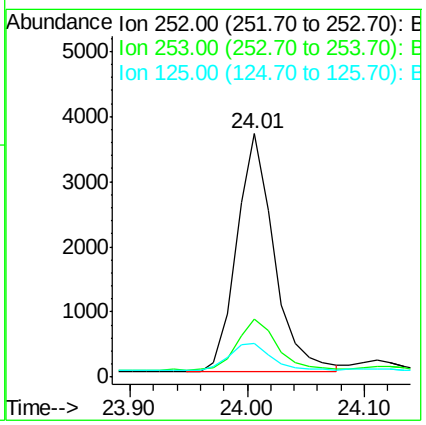
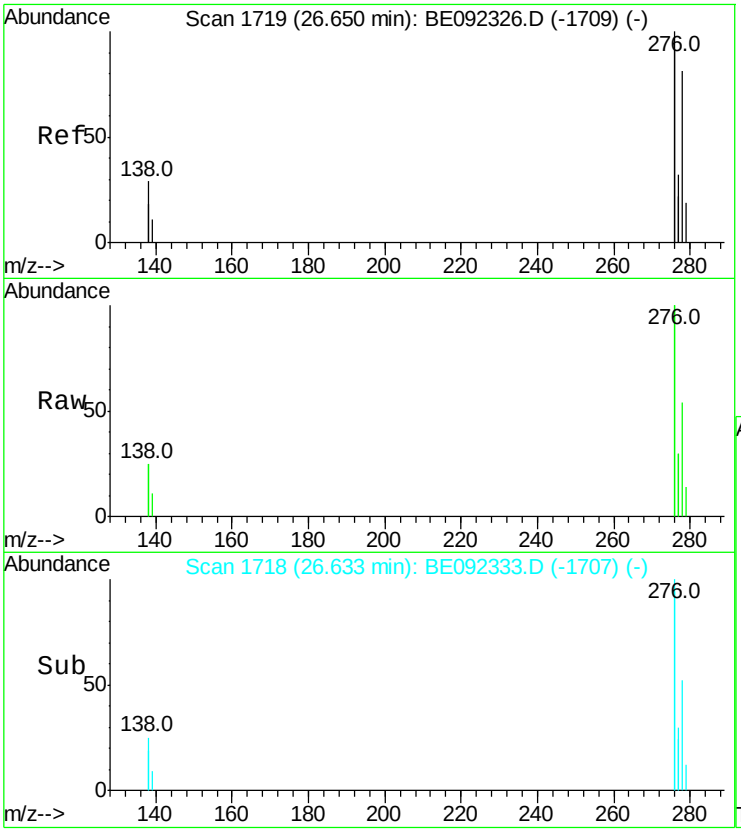


#34
Benzo(a)pyrene
Concen: 0.41 ng
RT: 24.01 min Scan# 1537
Delta R.T. 0.00 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion:252 Resp: 8109

Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.0	28.6
125	13.8	11.8	17.8

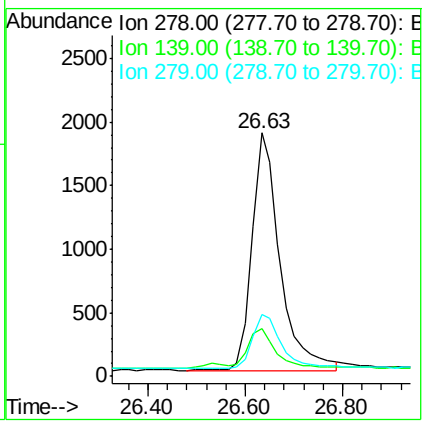




#35
Dibenzo(a,h)anthracene
Concen: 0.41 ng
RT: 26.63 min Scan# 1718
Delta R.T. -0.02 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion:278 Resp: 7531

Ion	Ratio	Lower	Upper
278	100		
139	19.6	13.8	20.8
279	25.5	21.4	32.2



Instrument :
BNA_E
ClientSampleId :
ICVBE090116

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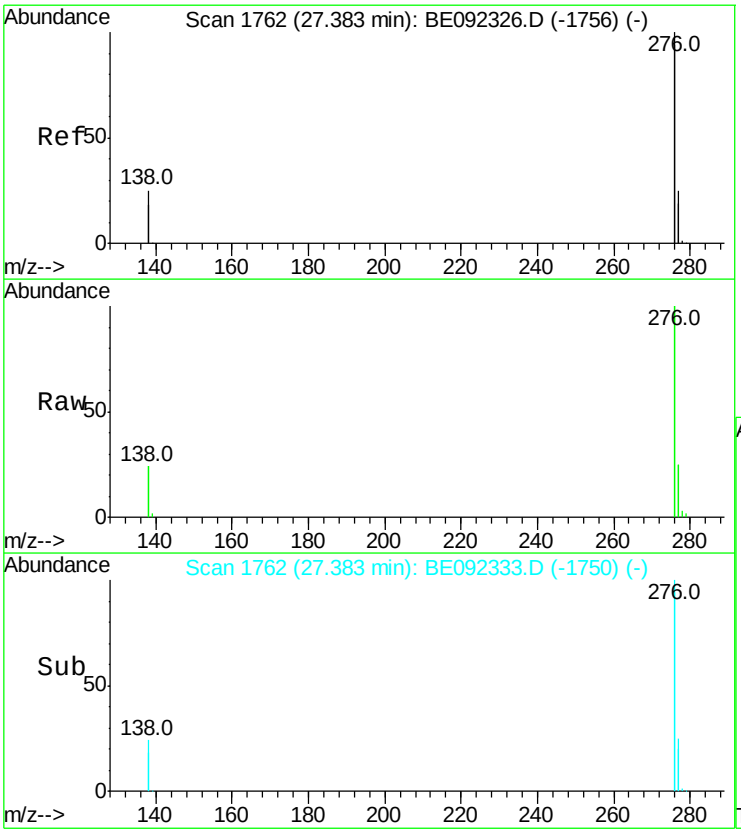

#36
Benzo(g,h,i)perylene
Concen: 0.42 ng
RT: 27.38 min Scan# 1762
Delta R.T. 0.00 min
Lab File: BE092333.D
Acq: 1 Sep 2016 17:47

Tgt Ion:276 Resp: 31784

Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.8	29.8
138	23.7	19.8	29.6